

wherein a recirculation system comprising a withdrawal system for waste water and a supply line for waste water for flow delivery into the central flow channel are provided.

30. The hybrid reactor of claim 29,  
wherein the withdrawal system comprises an intermediate space between two plate-like elements as well as a conduit starting in said intermediate space.
31. The hybrid reactor of claim 29,  
wherein the discharge system is positioned a distance above the withdrawal system of the recirculation system.
32. The hybrid reactor of claim 24,  
wherein the separator system comprises a partition provided in spaced apart manner above the upper end of the central flow channel and covering a large part of the reactor cross-sectional area while leaving free an outer annular area.
33. The hybrid reactor of claim 32,  
wherein the partition has portions in which it does not extend horizontally and forms a gas collection space in a highest portion.
34. The hybrid reactor of claim 33,  
wherein, from the highest portion, the partition extends - roughly speaking - outwardly in downwardly inclined manner and inwardly in downwardly inclined manner.
35. The hybrid reactor of claim 32,  
wherein a withdrawal system of the recirculation system is positioned at the upper side of the partition.
36. The hybrid reactor of claim 24,

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/577884</b>		INTERNATIONAL APPLICATION NO. PCT/EP2004/052803		ATTORNEY'S DOCKET NUMBER HAM 830020/USW	
The following fees have been submitted				CALCULATIONS PTO USE ONLY	
21. <input checked="" type="checkbox"/> Basic national fee..... \$300				\$300. <sup>00</sup>	
22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)..... \$100 All other situations..... \$200				\$200. <sup>00</sup>	
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared and provided to the Office..... \$400 All other situations..... \$500				\$500. <sup>00</sup>	
TOTAL OF 21, 22 and 23 =				\$1000. <sup>00</sup>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
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- 100 =	/50 =		x \$250	\$	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	20 - 20 =	0	x \$ 50	\$	
Independent claims	3 - 3 =	0	x \$200	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$	
TOTAL OF ABOVE CALCULATIONS =				\$	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
SUBTOTAL =				\$	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
TOTAL NATIONAL FEE =				\$	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$40. <sup>00</sup>	
TOTAL FEES ENCLOSED =				\$1040. <sup>00</sup>	
				Amount to be refunded:	\$
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NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO: Legal Department HUNTSMAN CORPORATION 10003 Woodloch Forest Drive The Woodlands, TX 77380			Robert Holthus SIGNATURE ROBERT HOLTHUS NAME 50,347 REGISTRATION NUMBER		

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4/28/2006  
Date

Martha Victory  
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- Transmittal Letter to the United States DO/EO/US concerning a submission under 35 USC 371 (2 pages)
- Declaration for Patent Application (2 copies, 3 pages each)
- Application Data Sheet
- Information Disclosure Statement + 6 references
- Assignment and Recordation Cover Sheet (2 copies, 2 pages each)
- Preliminary Amendment (7 pages)
- Copy of WO05/045523
- Return postcard